

ACS-55A+HS Brushless Speed Control Specification

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Nominal current	Maximum continues current 55Amp, peak 60Amp 10 second. (with good cooling and outside temperature under 20°C)
Main IC Control	A/I Patent Custom IC (2056 DPI)
Operating voltage:	Minimum 2 Lipo (7.4V) ~ Maximum 6 Lipo (22.2V)
Quiescent current:	1.4 [mA]
Voltage BEC:	Programmer able 4.8 ~ 7.2V
Current Max BEC:	5.0 [A]
Continuous BEC	3.0 [A]
Resistance in conducting state:	2 x 094 [mΩ]
Dimensions:	50 x 25 x 10 mm / 1.84 x 0.92 x 0.36 in.
Weight:	42g (w/ heat sink)
Cable cross - section (input / output)	4/2,5 mm ²
Cable Material	Silicon FT1 105°C at 600V
Number of power transistors:	30 MOS-FET
Input capacitance:	Double 330 μF
Reversible	Programmable, but don't change two wires
Break	Programmable

- I. Smooth forward operation
- II. Battery Eliminator Circuit (BEC): eliminates receiver battery
- III. Extremely low resistance
- IV. 32KHz Upon Frequency operation
- V. P.O.R Power on reset
- VI. Easy user programmable features.
- VII. Audible arming signal
- VIII. microprocessor controlled
- IX. B.E.C: 5.0V / 3.0A
- X. Programmable low volt cut off for Li-Po
- XI. Safe start protection
- XII. Micro size allows for ease of installation
- XIII. Programmable motor rotation
- XIV. Second Finally warranting as A/I Design



Version: 1.0

Update: 2008/1/3